TABLE 7(a)

02-95

VERTICAL FIXED ROOF STORAGE TANK SUMMARY

I. ***Tank Identification*** *(Use a separate form for each tank).*

1. Applicant's Name: _____
2. Location (*indicate on plot plan and provide coordinates*): _____
3. Tank No. _____ 4. Emission Point No. _____
5. FIN _____ CIN _____
6. Status: New tank [ ] Altered tank [ ] Relocation [ ] Change of Service [ ]

Previous permit or exemption number(s) _____

II. ***Tank Physical Characteristics***

1. Dimensions
   a. Shell Height : _____ ft.
   b. Diameter: _____ ft.
   c. Maximum Liquid Height : _____ ft.
   d. Nominal Capacity or Working Volume: _____ gallons.
   e. Turnovers per year: _____
   f. Net Throughput : _____ gallons/year.
   g. Maximum Filling Rate: _____ gallons/hour.
2. Paint Characteristics
   a. Shell Color/Shade : White/White [ ] Aluminum/Specular [ ] Aluminum/Diffuse [ ] Gray/Light [ ] Gray/Medium [ ] Red/Primer [ ] Other [ ] (Describe _____)
   b. Shell Condition : Good [ ] Poor [ ]
   c. Roof Color/Shade : White/White [ ] Aluminum/Specular [ ] Aluminum/Diffuse [ ] Gray/Light [ ] Gray/Medium [ ] Red/Primer [ ] Other [ ] (Describe _____)
   d. Roof Condition : Good [ ] Poor [ ]
3. Roof Characteristics
   a. Roof Type: Dome [ ] Cone [ ]
   b. Roof Height: _____ ft. (*not including shell height)*
   c. Radius (*Dome Roof Only*): _____ ft.
   d. Slope (*Cone Roof Only*): _____ ft/ft.

| 4. Breather Vent Settings | | | | SPECIFY "Atmosphere" or Discharging to: (name of abatement device) |
|---|---|---|---|---|
| Valve Type | Number | Pressure Setting (psig) | Vacuum Setting (psig) | |
| Combination Vent Valve | | | | |
| Pressure Vent Valve | | | | |
| Vacuum Vent Valve | | | | |
| Open Vent Valve | | | | |

Permit No. _____ Tank No. _____

III. ***Liquid Properties of Stored Material***

1. Chemical Category: Organic Liquids [ ] Petroleum Distillates [ ] Crude Oils [ ]
2. Single or Multi-Component Liquid

   Single [ ] *Complete Section III.3*

   Multiple [ ] *Complete Section III.4*
3. Single Component Information
   a. Chemical Name: _____
   b. CAS Number: _____
   c. Average Liquid Surface Temperature: _____ °F.
   d. True Vapor Pressure at Average Liquid Surface Temperature: _____ psia.
   e. Liquid Molecular Weight: _____
4. Multiple Component Information
   a. Mixture Name: _____
   b. Average Liquid Surface Temperature: _____ °F.
   c. Minimum Liquid Surface Temperature: _____ °F.
   d. Maximum Liquid Surface Temperature: _____ °F.
   e. True Vapor Pressure at Average Liquid Surface Temperature: _____ psia.
   f. True Vapor Pressure at Minimum Liquid Surface Temperature: _____ psia.
   g. True Vapor Pressure at Maximum Liquid Surface Temperature: _____ psia.
   h. Liquid Molecular Weight: _____
   i. Vapor Molecular Weight: _____

j. Chemical Components Information

| Chemical Name | CAS Number | Percent of Total Liquid Weight (typical) | Percent of Total Vapor Weight (typical) | Molecular Weight |
|---|---|---|---|---|
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